

Abstract

This invention relates to a pyromechanical disconnecting apparatus, in particular for battery shutoff in a motor vehicle, having a housing (4) in which there is arranged an electrically conductive conductor bus (2), which is fashioned so as to be severable at a predetermined cut position (1) by a cutting chisel (6) driven by a pyrotechnic propellant charge, the conductor bus (2) is clamped in on its side facing away from the cutting chisel (6) by a locking bolt (5) inserted into the housing (4), and a receiving space (15) is arranged in the locking bolt (5) in the region of the predetermined cut position (1), into which receiving space the cutting chisel (6) bends the region of the conductor bus (2) severed by it, and the locking bolt (5) forms an external surface of the housing (4).

In order to diminish cracking of the locking bolt and housing and for purposes of inspection to determine whether the disconnecting apparatus has tripped, it is proposed that a recess (13) be arranged in the locking bolt (5), which recess transpiciously connects the receiving space (15) with the atmosphere.

(Figure 1)